

Making a Holographic Projector instructions

Materials needed:

- Clear plastic e.g. found in some sections of clear 2 litre bottles of Coke
- Clear tape
- Permanent marker (OHP marker is ideal)
- Scissors (or for older students, craft knife and ruler)
- Smartphone

Method

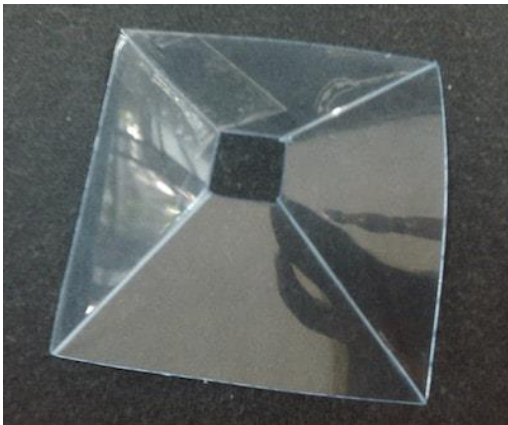
Cut out the paper guides, one per student

Students need to carefully draw the guide onto the plastic; ideally using a ruler for the straight lines

Students should then cut out the black lines. If the plastic can be folded, then the inner red lines should be used to fold the plastic, otherwise these will need to be cut as well. If folding, make sure you make sharp folds as these add strength to the structure.

Top Tip: If your plastic can be folded, but is curved, e.g. because it's from a Coke bottle, leave an 5mm of plastic at the outer edges. A sharp fold here can give the rounded plastic a flatter surface.

Using clear plastic tape, tape together the edges shown here



What you make should look like this pyramid with the top cut off.

Place it on top of a 4-sided image on a smartphone designed to be projected like this and you will see a holographic image appear!

Videos are available here:

<https://www.youtube.com/user/HOLHOcollection/videos>

And here: https://v.qq.com/x/search/?q=hologram+videos&stag=0&smartbox_ab=

